**Fig. 1**

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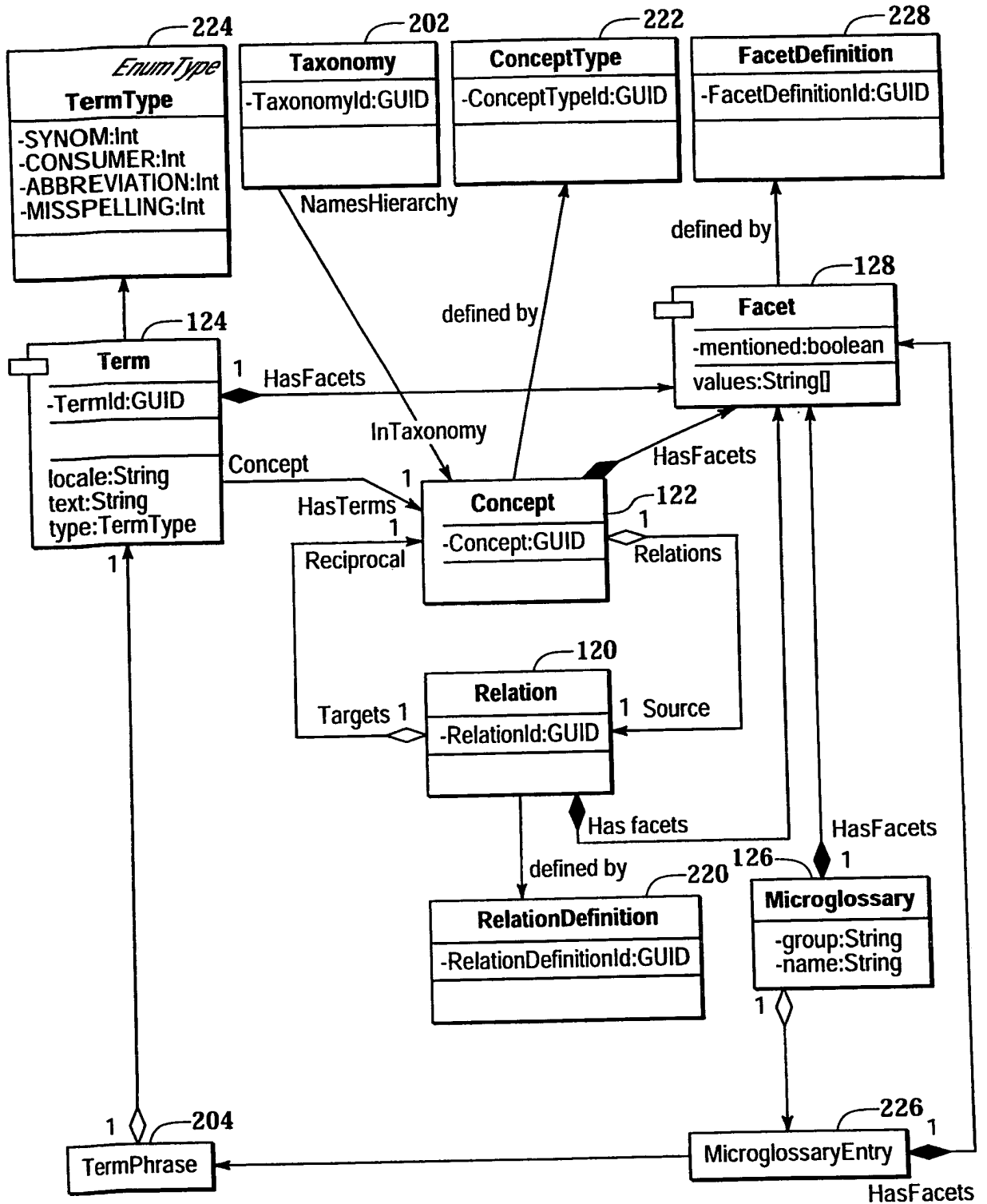
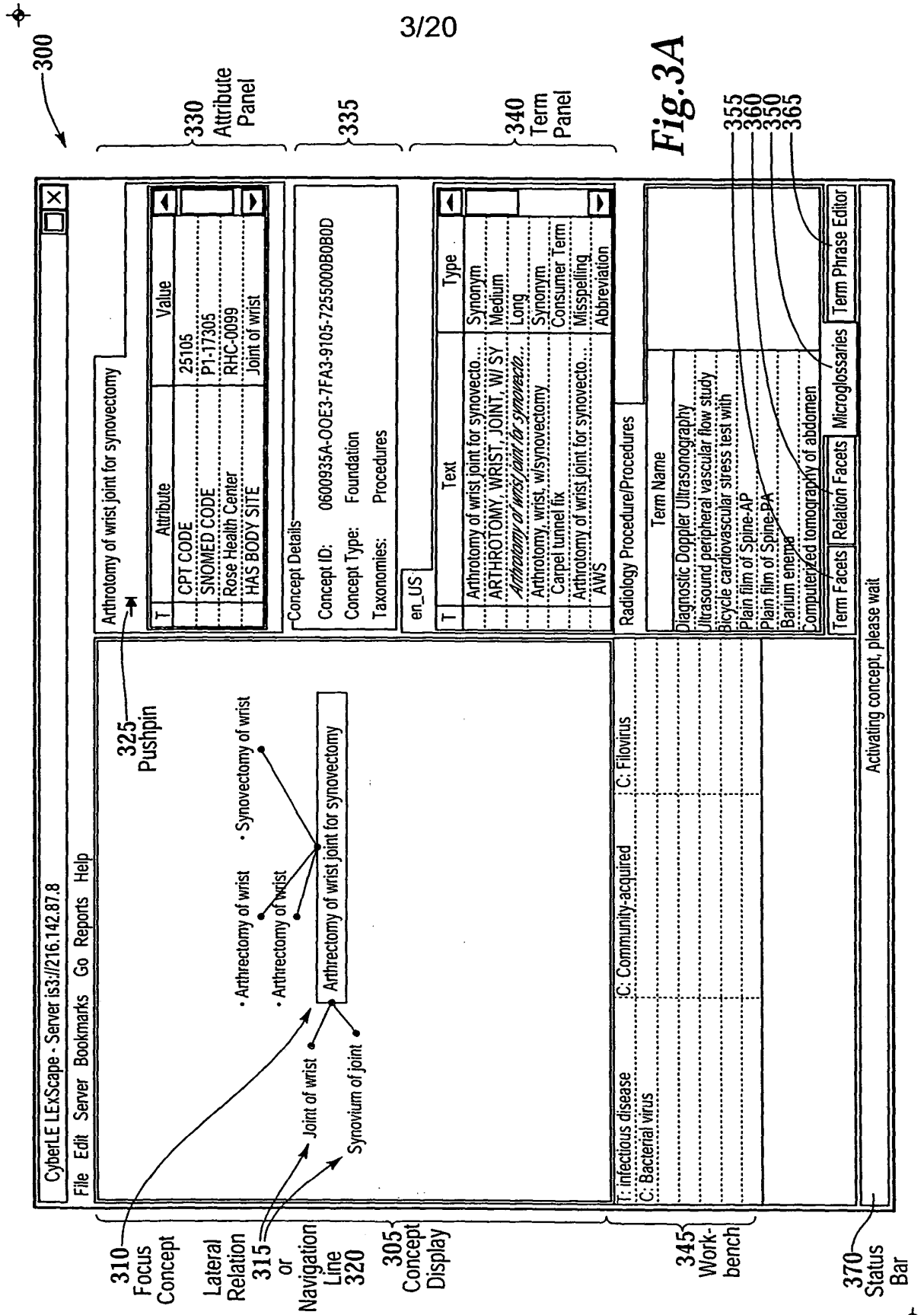
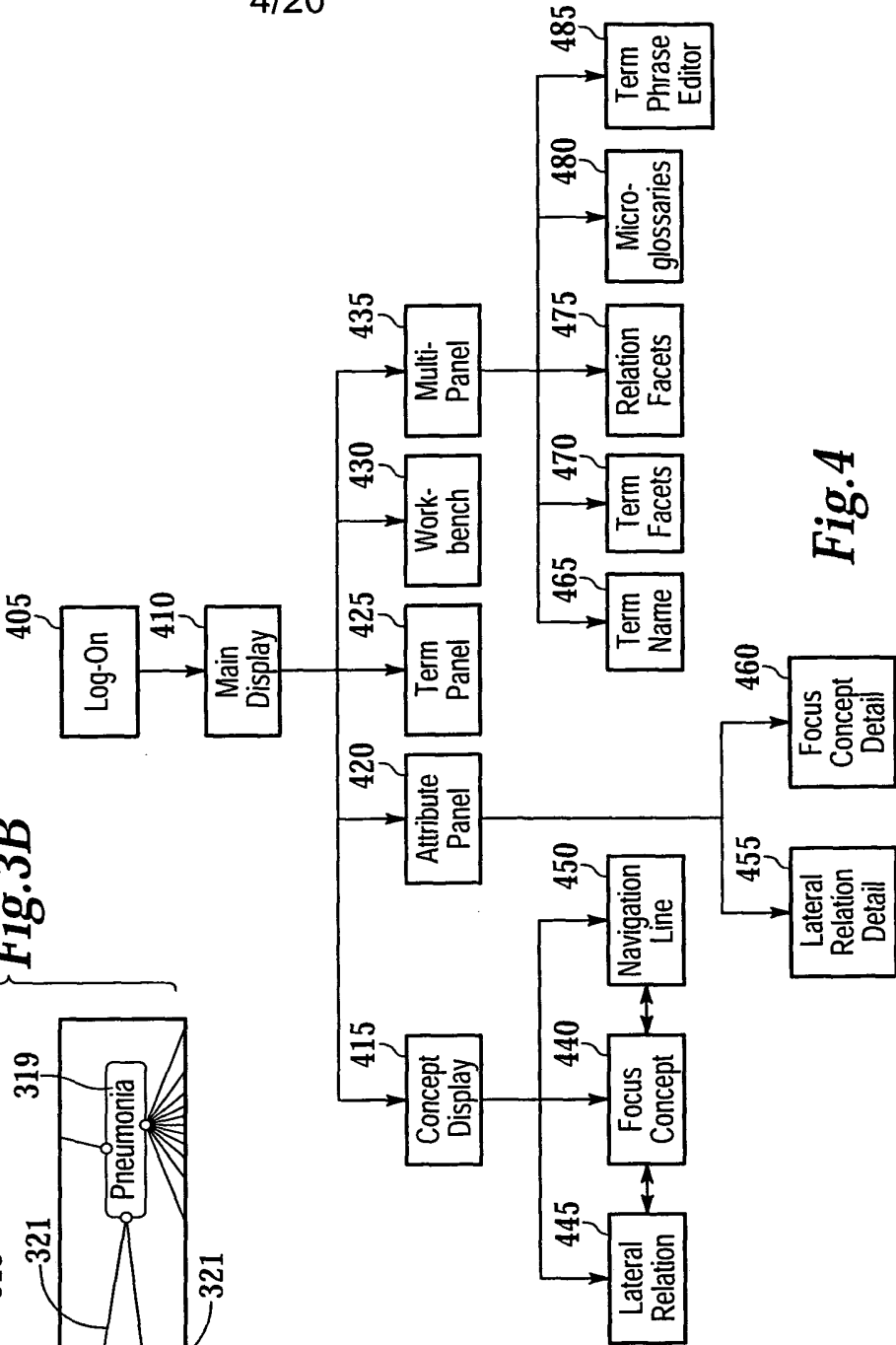
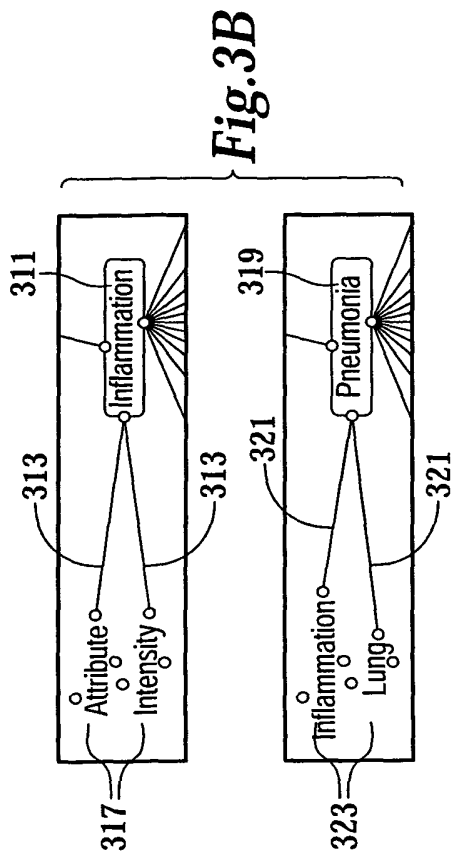


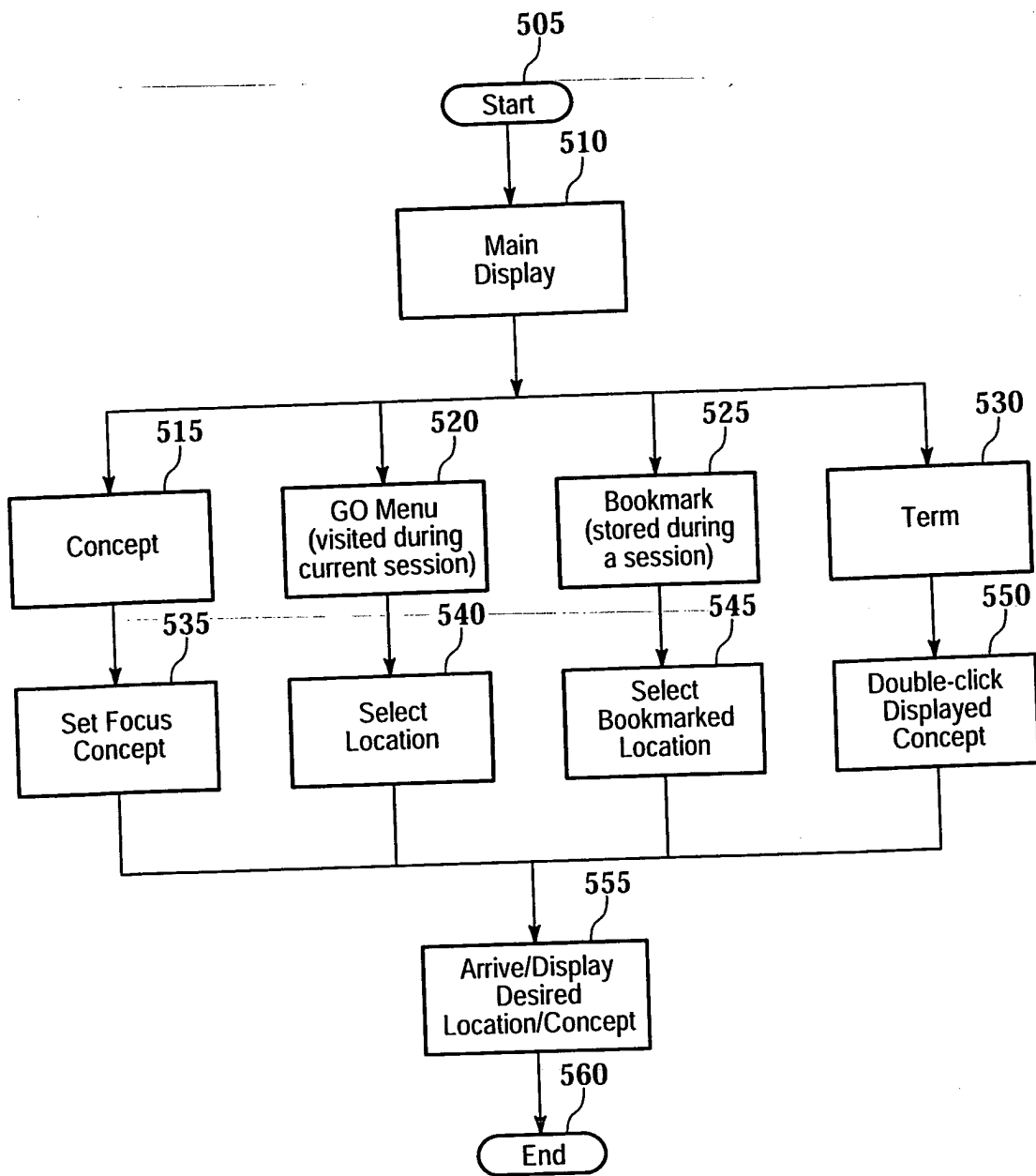
Fig.2

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**Fig.5**

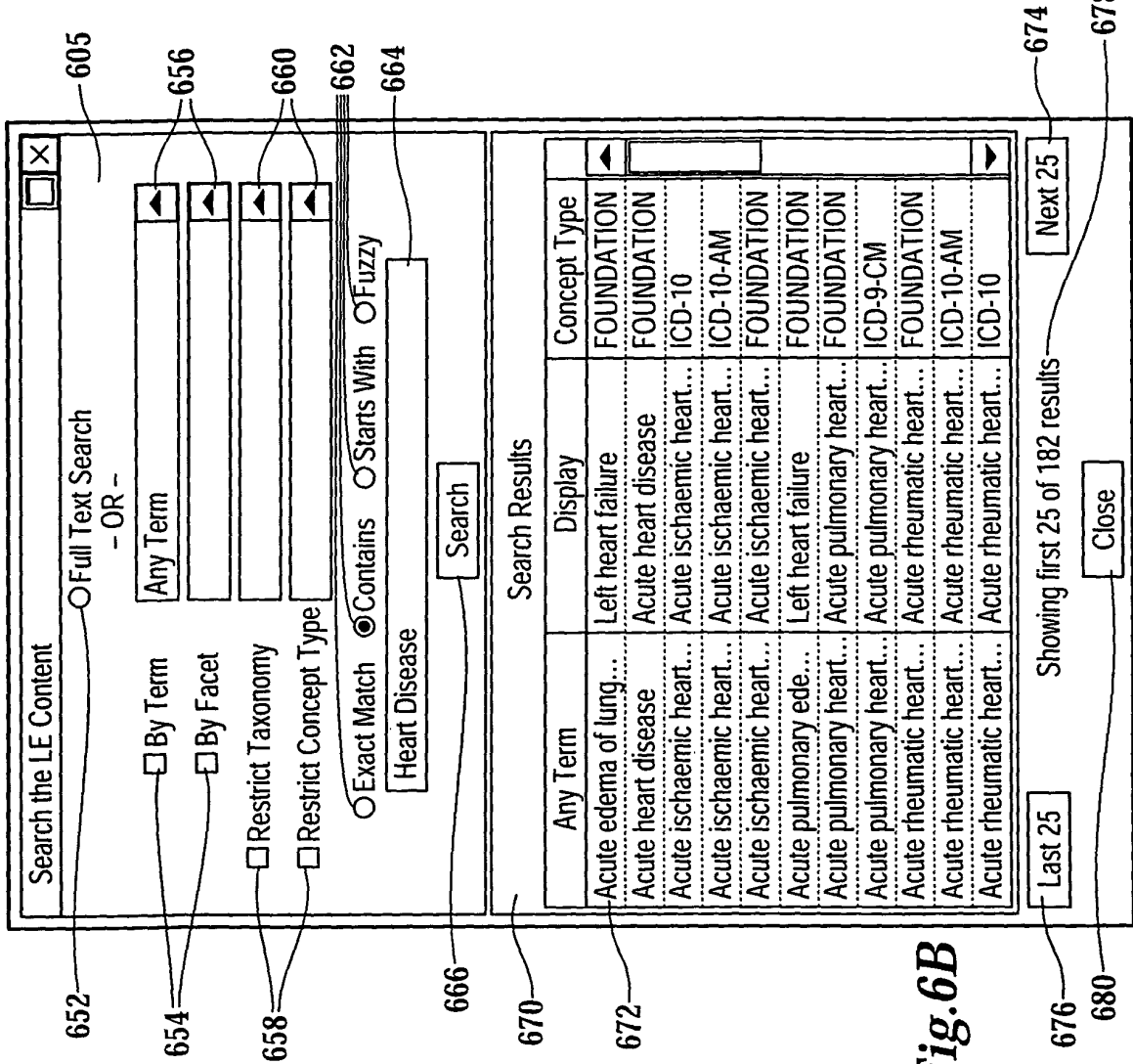


Fig. 6B

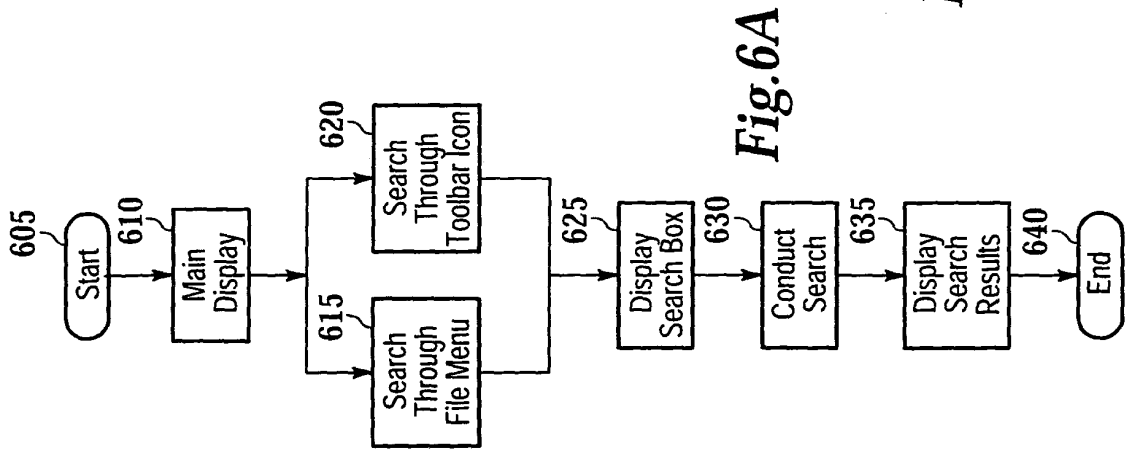
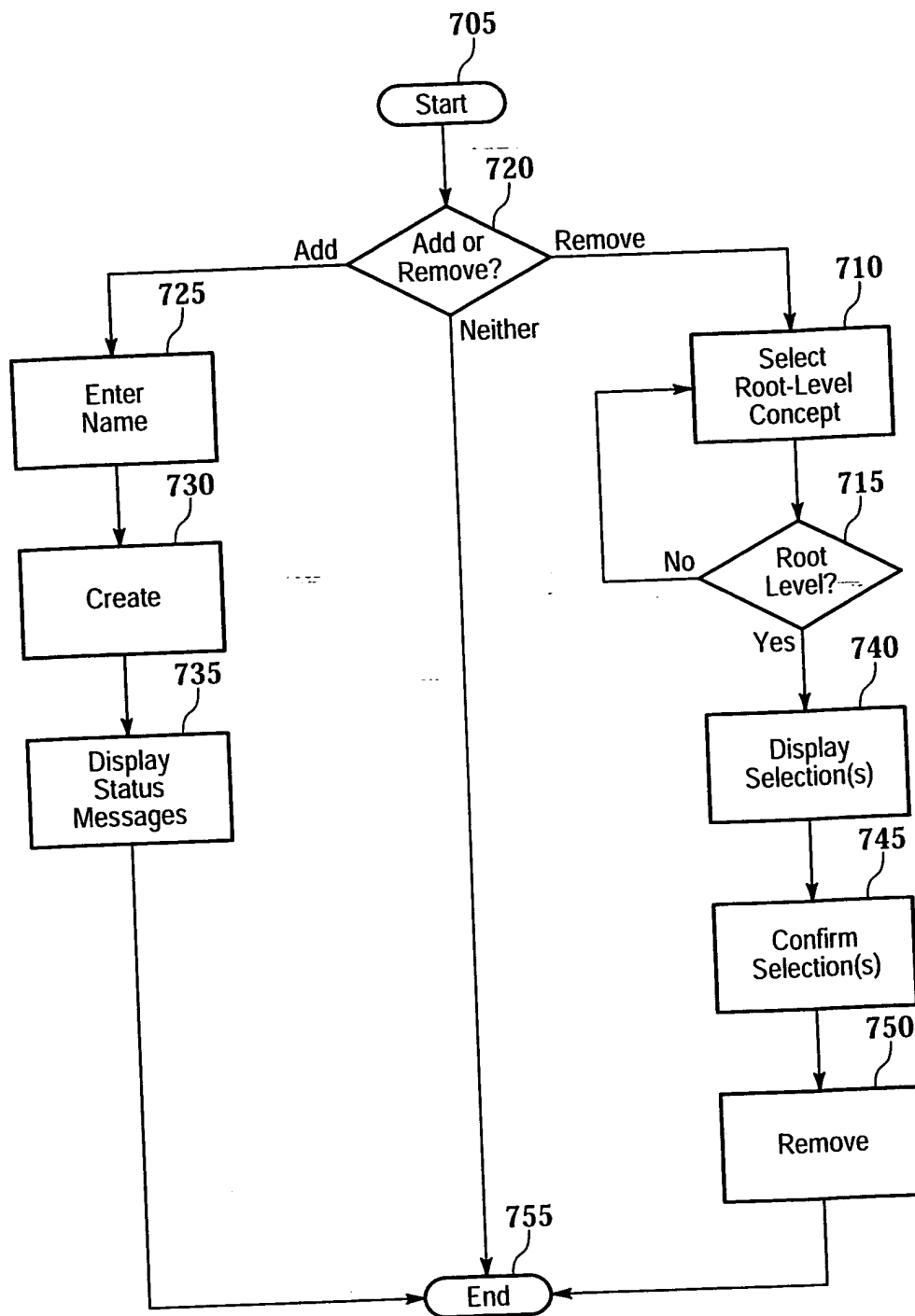


Fig. 6A

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**Fig. 7**

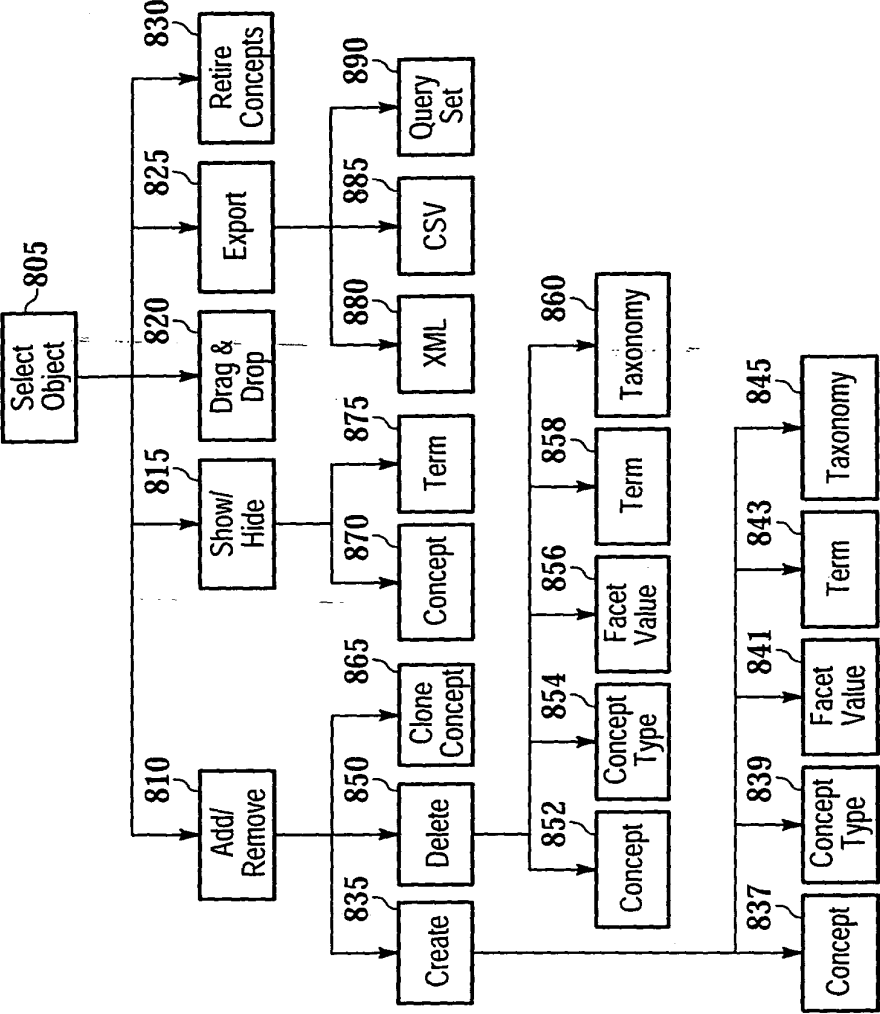


Fig.8A

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872 874 876 878

Concept Type Displayability Settings			
Check concept types that should be displayed for the respective components			
Concept Type	Plex	Attribute Table	Search Dialog
CPT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First DataBank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FOUNDATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HCPC8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-10-AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-9-CM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MeSH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Fig.8B

Concept Type Displayability Settings	
GUID	<input type="text"/>
Concept Type Name	<input type="text" value="RoseBilling"/>
Concept Type Nickname	<input type="text" value="RoseBilling"/>
Description	<input type="text" value="Hierarchical Rose Billing Code"/> <div> <input type="button" value="▲"/> <input type="button" value="▼"/> </div>

836 838 840 842

Fig.8C

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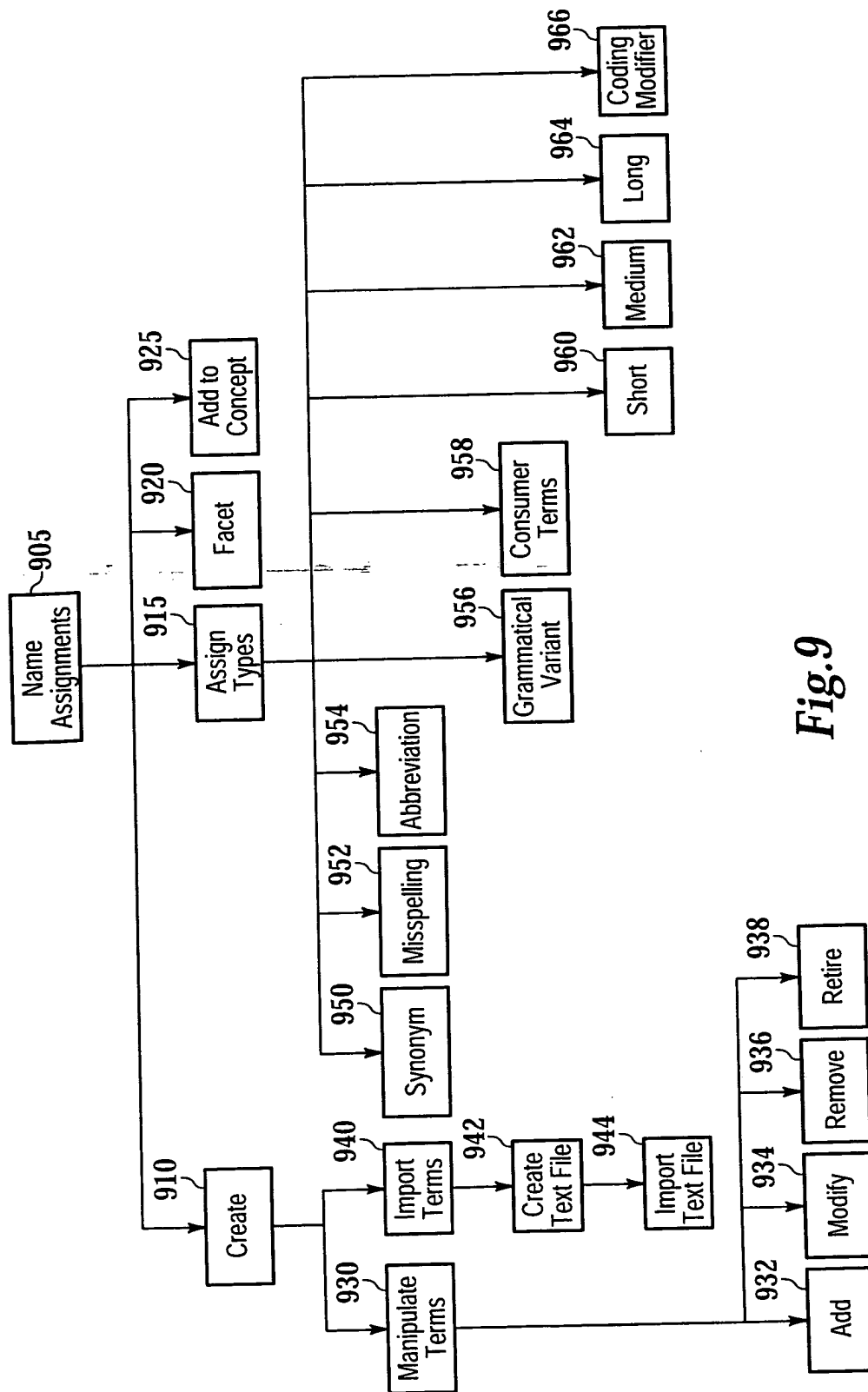


Fig. 9

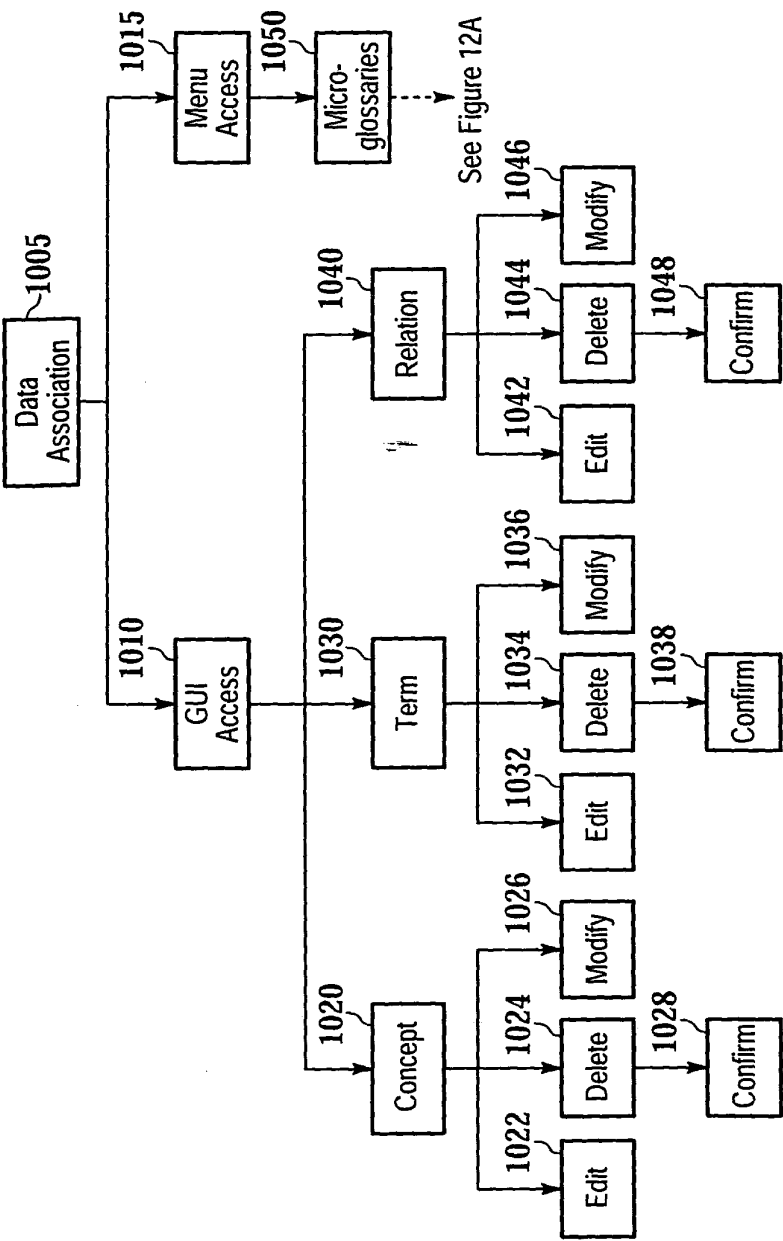
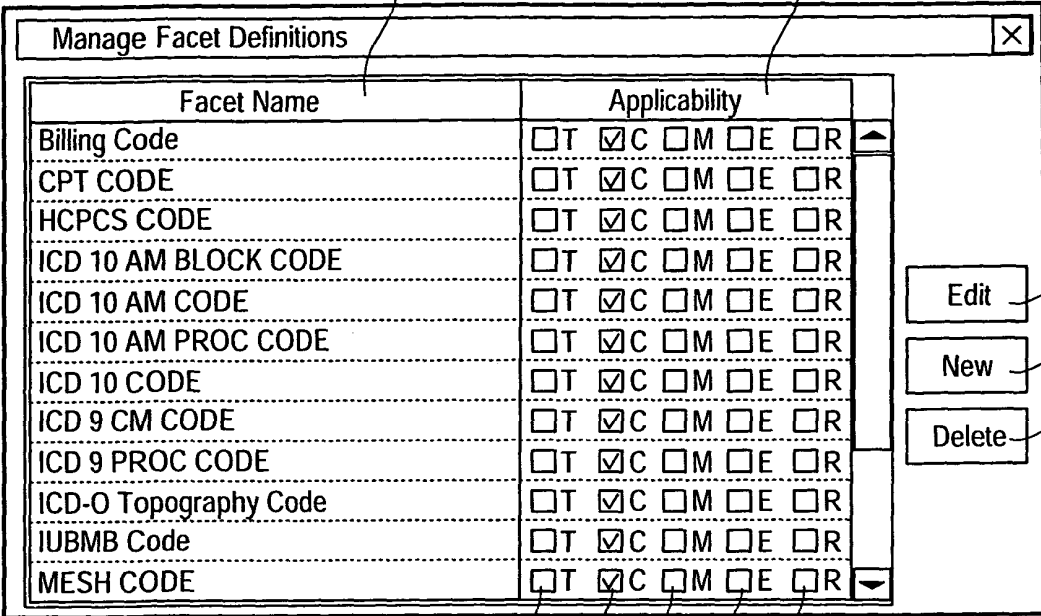


Fig. 10A

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1060 1068



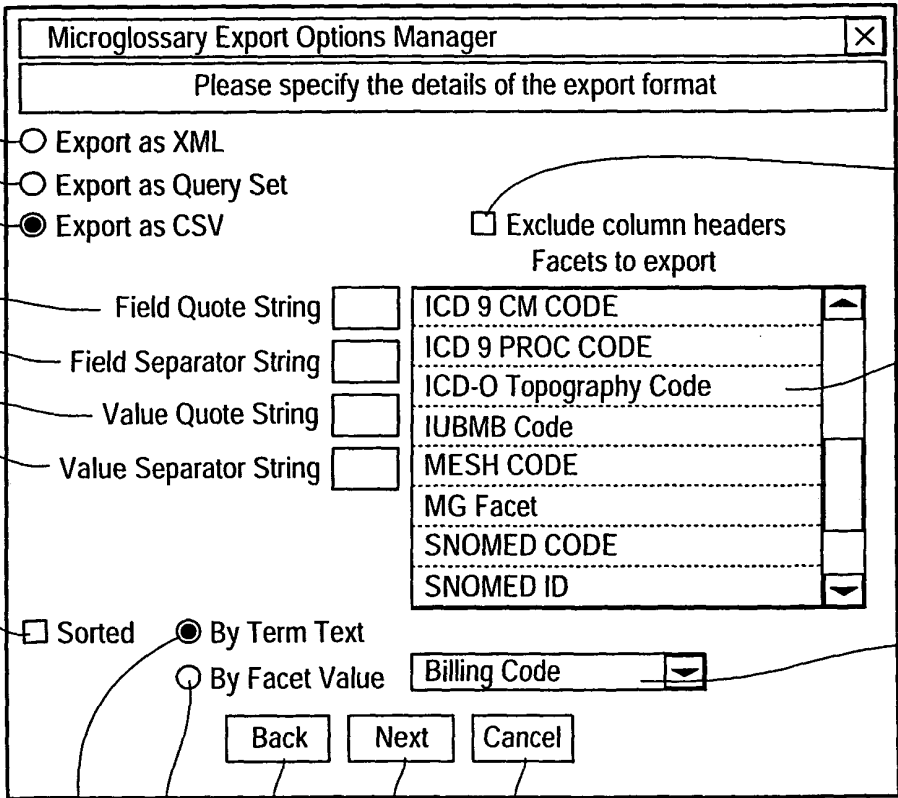
The dialog box 'Manage Facet Definitions' contains a table with two columns: 'Facet Name' and 'Applicability'. The 'Applicability' column has five checkboxes labeled T, C, M, E, and R. The 'C' checkbox is checked for all facets. To the right of the table are three buttons: 'Edit', 'New', and 'Delete'.

Facet Name	Applicability
Billing Code	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
CPT CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
HCPCS CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 AM BLOCK CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 AM CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 AM PROC CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 10 CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 9 CM CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD 9 PROC CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
ICD-O Topography Code	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
IUBMB Code	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R
MESH CODE	<input type="checkbox"/> T <input checked="" type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> R

1062 1064 1066

1070 1072 1074 1076 1078

Fig.10B



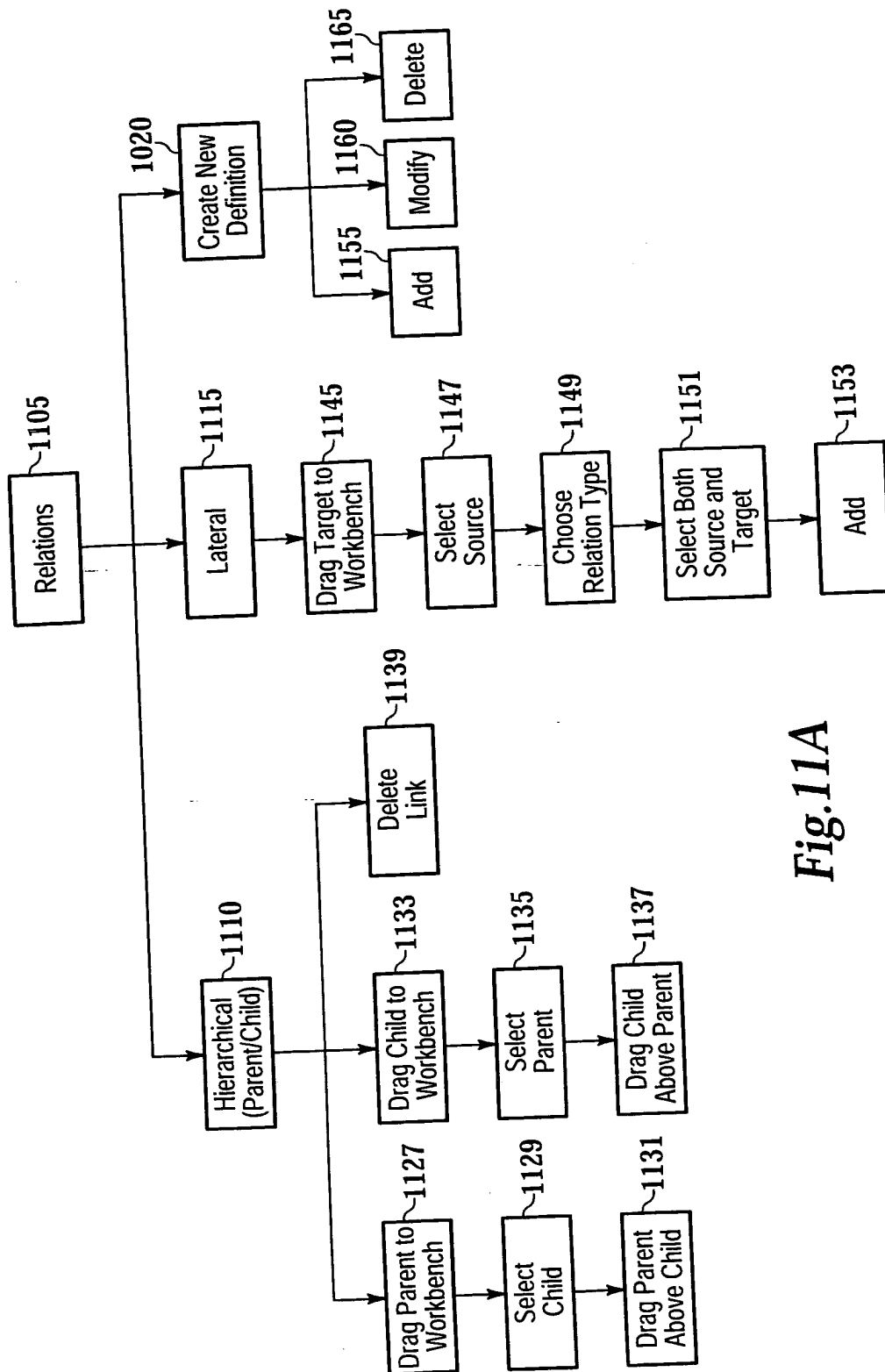
The dialog box 'Microglossary Export Options Manager' contains the following options:

- 1253a: ☐ Export as XML
- 1253b: ☐ Export as Query Set
- 1253c: ☒ Export as CSV
- 1255: ☐ Exclude column headers
- 1259: Facets to export (list box containing: ICD 9 CM CODE, ICD 9 PROC CODE, ICD-O Topography Code, IUBMB Code, MESH CODE, MG Facet, SNOMED CODE, SNOMED ID)
- 1257a: Field Quote String
- 1257b: Field Separator String
- 1257c: Value Quote String
- 1257d: Value Separator String
- 1261: ☐ Sorted
- 1263a: ☒ By Term Text
- 1263b: ☐ By Facet Value
- 1265: Billing Code
- 1267: Back
- 1269: Next
- 1271: Cancel

1263a 1263b 1267 1269 1271

Fig.12E

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*Fig. 11A*

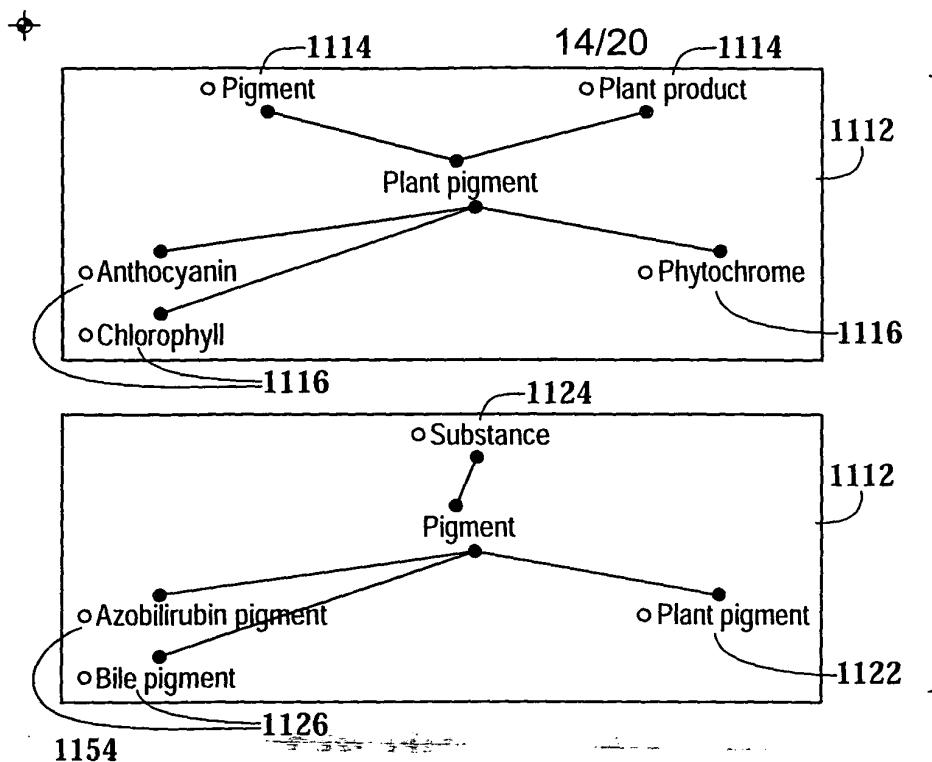


Fig. 11B

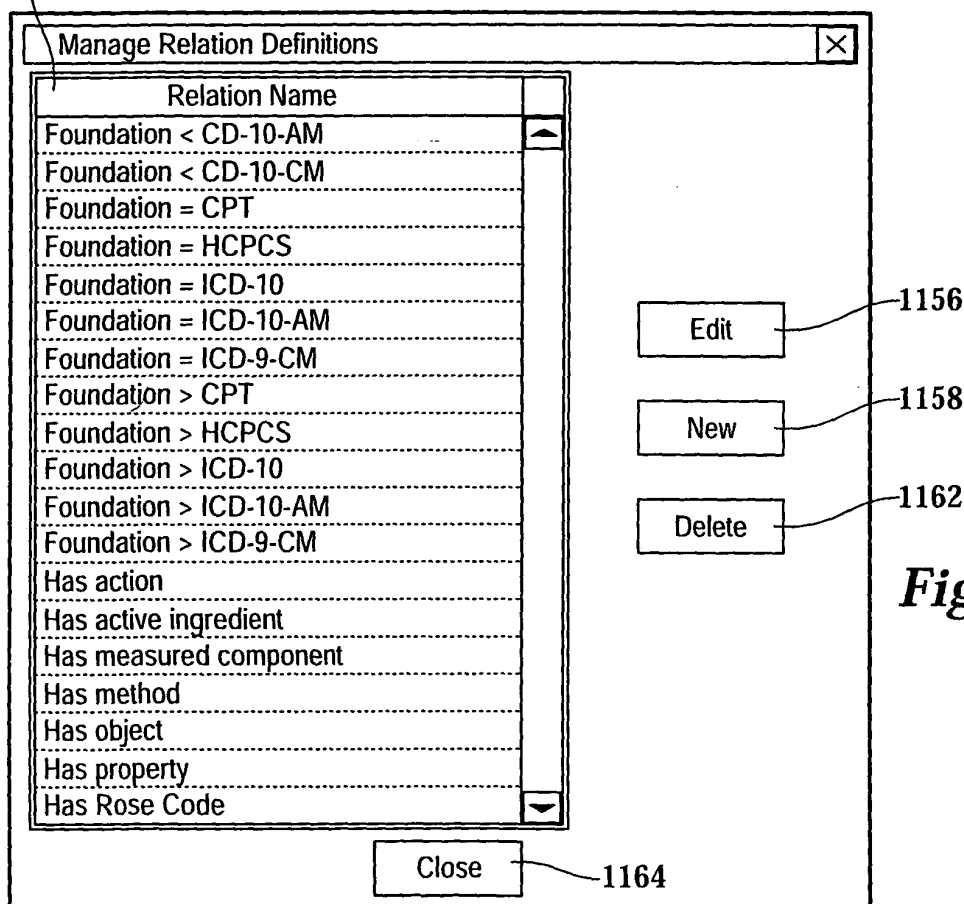


Fig. 11C

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✦

1170

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Edit Relation Definition [X]

GUID:

Relation Name:

Relation Nickname:

Description:

Attribute	Value
Is Reciprocal	<input type="checkbox"/>
Reciprocal Name	
Type Restriction	Equal
Source Type	ICD-9-CM
Target Type	ICD-9-CM
Hierarchical	<input type="checkbox"/>
Inheritance Relation	<input type="checkbox"/>
Cardinality	Single-Valued
Ordered	<input type="checkbox"/>
Transitive	<input type="checkbox"/>
Acyclic	<input type="checkbox"/>
Inheritable	<input type="checkbox"/>
Relationship qualifier	None
Displayable	<input checked="" type="checkbox"/>
Immutable	<input type="checkbox"/>

OK Cancel

Fig.11D

✦

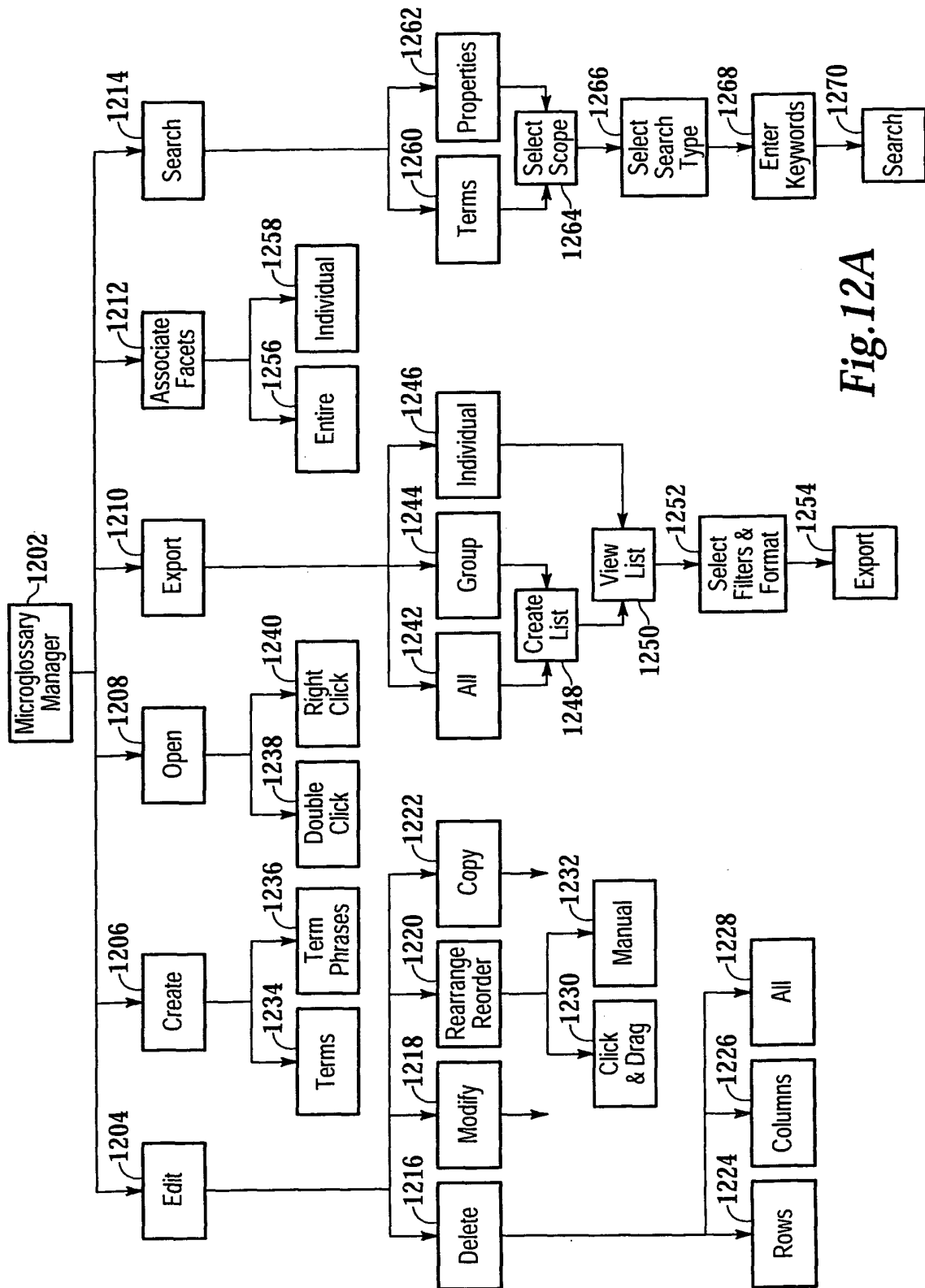


Fig.12A

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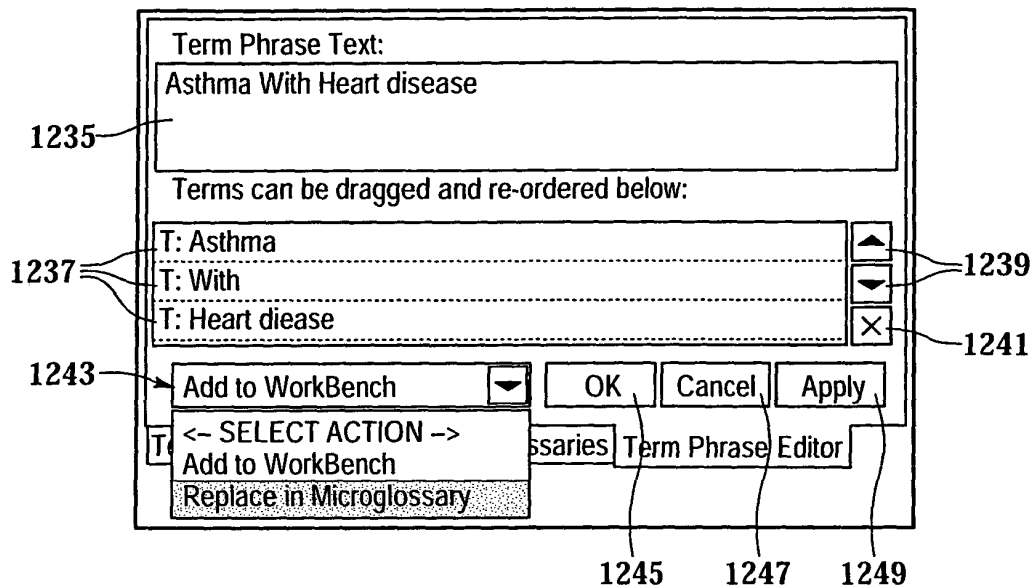


Fig. 12B

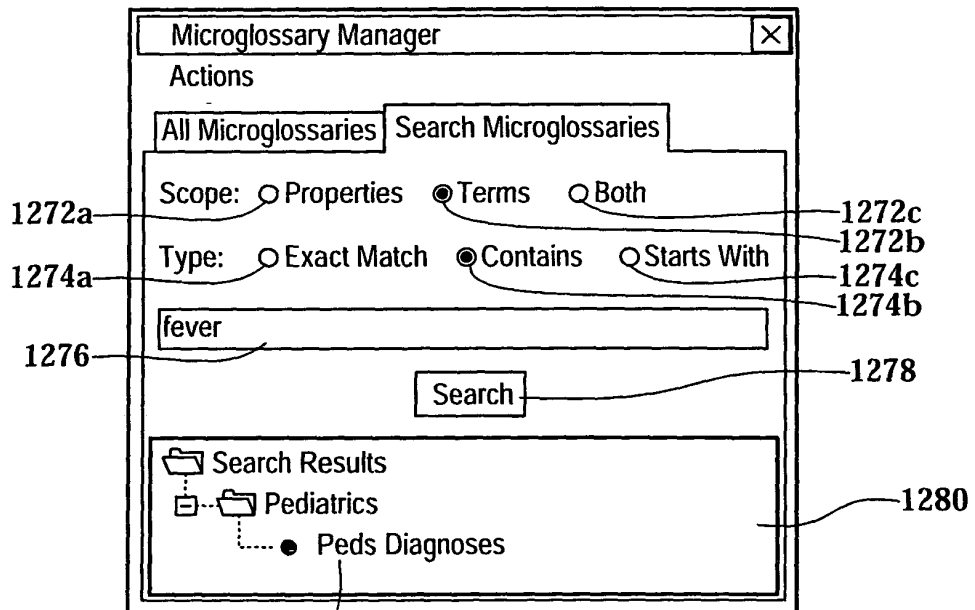
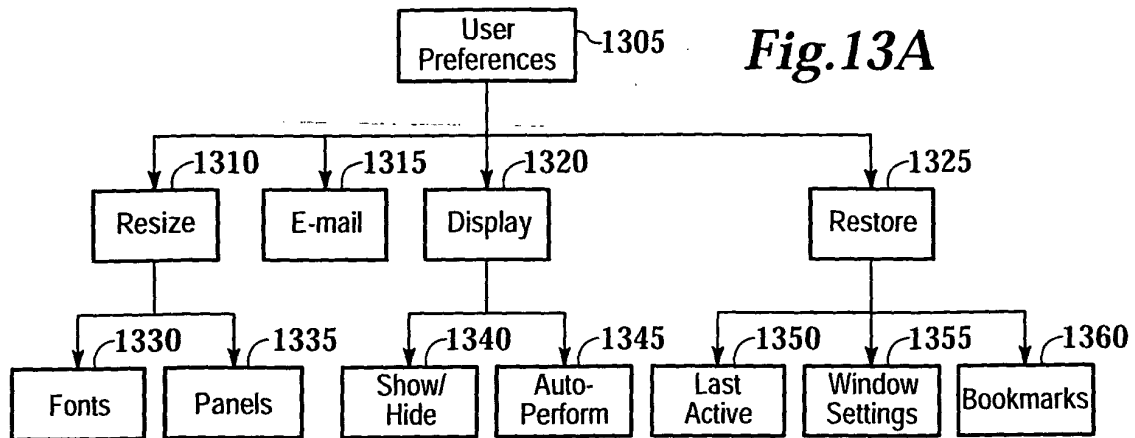


Fig. 12D

1281

Fig. 12C

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Edit User Preferences [X]

1326 Session Settings

1351 ☒ Restore last active concept

1356 ☒ Restore window position and dimensions

1361 ☒ Restore concept bookmarks

1311 ☒ Enable Plex resizing

1321 Navigation and Modeling Settings

1327 ☐ View Retired Concepts in navigation hierarchy

1346 ☐ Auto-replace subsumed/subsuming parents when adding a Parent

1348 ☒ Restore term candidates

1314 User Information

E-mail Address 1316

SMTP Host 1318

1337 Properties

1339 Facets Relations

Facet	Displayed
Abbreviation Code	<input checked="" type="checkbox"/>
AHFS Class ID	<input checked="" type="checkbox"/>
CPT CODE	<input checked="" type="checkbox"/>
Definition	<input checked="" type="checkbox"/>
Dispensable ID	<input checked="" type="checkbox"/>

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1346

Fig. 13B

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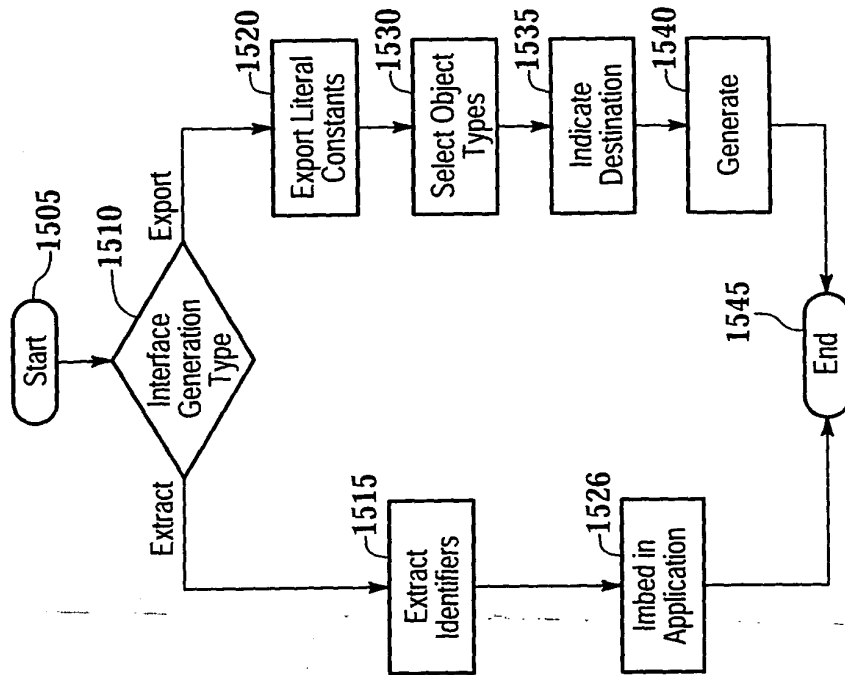


Fig.15

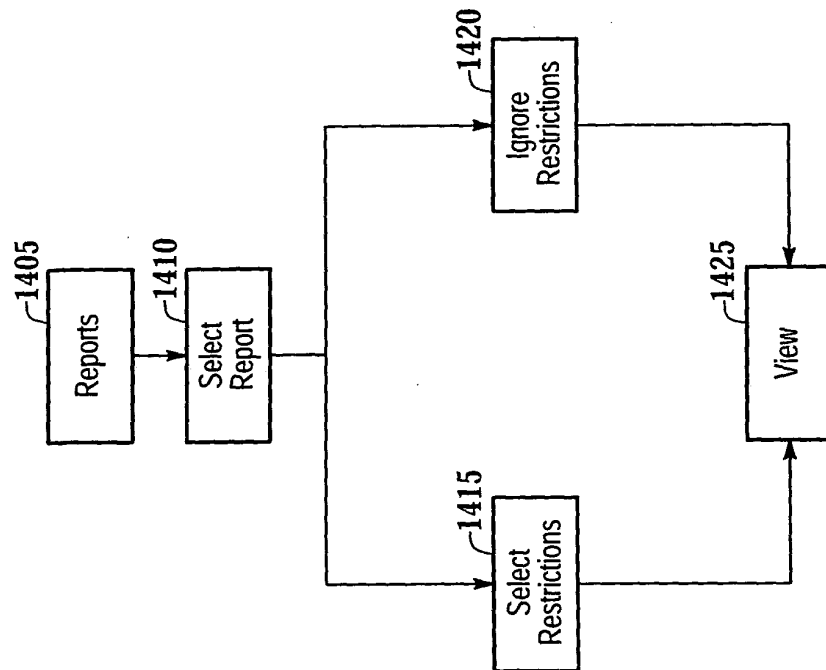


Fig.14